

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Original) A document taking-over system including an electronic pen terminal device provided with an electronic pen which gets information written by hand on a document prepared to be able to specify a kind thereof together with kind information of said document as electronic data and for transmitting said electronic data, a document taking-over apparatus for processing said electronic data to produce it as document information and a system disposed at a latter stage to utilize said document information, which are connected to one another through a network;

 said document taking-over apparatus comprising:

 communication means for receiving said electronic data from said electronic pen terminal device through said network and transmitting said document information to said system at the latter stage;

 memory means for storing format information which defines specifications for converting said electronic data into a predetermined format utilizable in said system at the latter stage;

 recognition means for taking out characters or selection item from said electronic data on the basis of said format information to recognize said taken-out characters or selection item;

 preparation means for preparing said document information of said predetermined format on the basis of said characters or selection item recognized by said recognition means and said format information; and

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 3

registration means for registering said document information in said memory means and transmitting said document information to said system at the latter stage by means of said communication means.

2. (Currently Amended) A document taking-over system including an electronic pen terminal device provided with an electronic pen which gets information written by hand on a document prepared to be able to specify a kind thereof together with kind information of said document as electronic data and for transmitting said electronic data, a document taking-over apparatus for processing said electronic data to produce it as document information and a system disposed at a latter stage to utilize said document information, which are connected to one another through a network, wherein:

said electronic pen terminal device is adapted to interface with document identifying indicia of said document, said document identifying indicia dictating data entry layout areas of said document, where said information is written;

said document taking-over apparatus comprising:
communication means for receiving said electronic data including said information written to said data entry layout areas, from said electronic pen terminal device through said network and transmitting said document information to said system at the latter stage;

memory means for storing format information which defines specifications for converting said electronic data into a predetermined format utilizable in said system at the latter stage;

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 4

preparation means for preparing said document information of said predetermined format on the basis of said electronic data and said format information; and

registration means for registering said document information in said memory means and transmitting said document information to said system at the latter stage by means of said communication means.

3. (Currently Amended) A document taking-over system including a terminal device provided with an electronic pen which gets information written by hand on a document prepared to be able to specify a kind thereof together with kind information of said document as electronic data and for transmitting said electronic data, a document taking-over apparatus for processing said electronic data to produce it as document information, a correspondence retrieval apparatus for transmitting connection information to said document taking-over apparatus to said terminal device, and a system disposed at a latter stage to utilize said document information, which are connected to one another through a network;

 said correspondence retrieval apparatus comprising:

 first memory means for storing at least correspondence information for causing said kind information of said document to correspond to said connection information, to said document taking-over apparatus;

 first communication means for communicating with said terminal device through said network; and

 retrieval means for searching, when said kind information of said document is received from said terminal device, said correspondence information for said

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 5

connection information to said document taking-over apparatus corresponding to
said kind information of said document, to transmit said connection information to
said terminal device;

 said document taking-over apparatus comprising:

 second communication means for receiving said electronic data from said
 terminal device through said network and transmitting said document information to
 said system at the latter stage;

 second memory means for storing format information which defines
 specifications for converting said electronic data into a predetermined format
 utilizable in said system at the latter stage;

 recognition means for taking out characters or selection item from said
 electronic data on the basis of said format information to recognize said taken-out
 characters or selection item;

 preparation means for preparing said document information of said
 predetermined format on the basis of said characters or selection item recognized
 by said recognition means and said format information; and

 registration means for registering said document information in said memory
 means and transmitting said document information to said system at the latter stage
 by means of said second communication means.

4. (Currently Amended) A document taking-over system including a terminal
device provided with an electronic pen which gets information written by hand on a
document prepared to be able to specify a kind thereof together with kind
information of said document as electronic data and for transmitting said electronic

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 6

data, a document taking-over apparatus for processing said electronic data to produce it as document information, a correspondence retrieval apparatus for transmitting connection information to said document taking-over apparatus to said terminal device, and a system disposed at a latter stage to utilize said document information, which are connected to one another through a network, wherein:
said electronic pen terminal device is adapted to interface with document identifying indicia of said document, said document identifying indicia dictating data entry layout areas of said document, where said information is written;
said correspondence retrieval apparatus comprising:

first memory means for storing at least correspondence information for causing said kind information of said document to correspond to said connection information, to said document taking-over apparatus;

first communication means for communicating with said terminal device through said network; and

retrieval means for searching, when said kind information of said document is received from said terminal device, said correspondence information for said connection information to said document taking-over apparatus corresponding to said kind information of said document, to transmit said connection information to said terminal device;

said document taking-over apparatus comprising:

second communication means for receiving said electronic data including said information written to said data entry layout areas, from said terminal device, through said network and transmitting said document information to said system at the latter stage;

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 7

second memory means for storing format information which defines specifications for converting said electronic data into a predetermined format utilizable in said system at the latter stage;

preparation means for preparing said document information of said predetermined format on the basis of said electronic data and said format information; and

registration means for registering said document information in said memory means and transmitting said document information to said system at the latter stage by means of said second communication means.

5. (Original) A document taking-over system according to Claim 1, wherein said recognition means comprises a recognition unit connected to said network.

6. (Original) A document taking-over system according to Claim 1, wherein said document taking-over apparatus comprises:

preparing a display picture for inputting correspondence information indicating correspondence of said kind information of said document, said format information and said system at the latter stage by means of said preparation means; and

registering said correspondence information inputted by using said display picture in said memory means by means of said registration means and transmitting said document information to said system at the latter stage by means of said communication means on the basis of said correspondence information.

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 8

7. (Currently Amended) A document taking-over system according to Claim 3, wherein

 | said correspondence retrieval apparatus further comprises
 | second preparation means for preparing separate display pictures or the
 | same display picture for inputting at least said connection information to said
 | document taking-over apparatus, connection information to said system at the latter
 | stage, said kind information of said document, said format information and
 | information indicative of correspondence of said document taking-over apparatus
 | and said system at the latter stage; and
 | second registration means for registering said information inputted by means
 | of said display picture as said correspondence information in said first memory
 | means and transmitting said correspondence information to said document taking-
 | over apparatus by means of said first communication means.

8. (Currently Amended) A document taking-over system according to Claim 6, further comprising

 | a correction terminal apparatus connected to said network;
 | and wherein
 | said document taking-over apparatus comprises:
 | preparing a list picture for displaying a list of document information by means
 | of said preparation means and transmitting said list picture to said correction
 | terminal apparatus by means of said communication means;
 | preparing, when document information one wishes to correct is selected from
 | said list picture, a correction picture for correcting said selected document

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 9

information and transmitting said correction picture to said correction terminal apparatus by means of said communication means; and

registering said document information corrected in said correction picture in said memory means by means of said registration means.

9. (Original) A document taking-over system according to Claim 7, wherein said document taking-over apparatus comprises:
preparing a list picture for displaying a list of document information by means of said preparation means and transmitting said list picture to said terminal device by means of said second communication means;

preparing, when document information one wishes to correct is selected from said list picture, a correction picture for correcting said selected document information and transmitting said correction picture to said terminal device by means of said second communication means; and

registering said document information corrected in said correction picture in said second memory means by means of said registration means.

10. (Original) A document taking-over system according to Claim 1, wherein said document taking-over apparatus comprises:
preparing a display picture for designating an entering area of said document and an input picture for inputting identification information for specifying at least said entering area for each entering area by means of said preparation means as separate pictures or as the same picture; and

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 10

registering specifications inputted by using said display picture as said format information in said memory means by means of said registration means.

11. (Currently Amended) A document taking-over system according to Claim 10, wherein

information inputted in said input picture further contains a name of said entering area, information as to whether information contained in said entering area is transferred to said system at the latter stage or not and information as to whether characters or selection item in said entering area is recognized or not.

12. (Original) A document taking-over system according to Claim 11, wherein said predetermined format is an XML format relating data recognized as said electronic data or characters or selection item to said format information.

13. (Currently Amended) A document taking-over method of getting information written by hand on a document prepared to be able to specify a kind thereof together with kind information of said document as electronic data by means of an electronic pen, processing said electronic data to be utilizable in a system disposed at a latter stage and delivering it to said system at the latter stage, comprising:

said electronic pen interfacing with document identifying indicia of said document, said document identifying indicia dictating data entry layout areas of said document, where said information is written

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 11

a) a step of causing an electronic pen terminal device to obtain said electronic data including said information written to said data entry layout areas, from said electronic pen;

b) a step of causing said terminal device to transmit said electronic data to said document taking-over apparatus; and

c) a step of causing said document taking-over apparatus to convert said electronic data into document information of said predetermined format on the basis of format information which defines specifications for converting said electronic data stored in memory means of said document taking-over apparatus into said predetermined format and registering it in memory means of said document taking-over apparatus.

14. (Currently Amended) A document taking-over method according to Claim 13, further comprising:

d) a step of causing said system at the latter stage to transmit request information for requesting transmission of said document information to said document taking-over apparatus; and

e) a step of causing said document taking-over apparatus to transmit said document information to said system at the latter stage.

15. (Currently Amended) A document taking-over method according to Claim 13, further comprising:

d) a step of causing said document taking-over apparatus to transmit said document information to said system at the latter stage when said document

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 12

information is registered in said memory means of said document taking-over apparatus in the causing said document taking-over apparatus to convert operation.
step e)-

16. (Original) A document taking-over system comprising:

- a) an electronic pen for getting information written by hand on a document prepared to be able to specify a kind thereof together with kind information of said document as electronic data;
- b) an electronic pen terminal device for transmitting said electronic data; and
- c) a document taking-over apparatus for processing said electronic data to produce it as document information and including:
 - c-1) communication means for receiving said electronic data transmitted from said electronic pen terminal device and transmitting said document information;
 - c-2) memory means for storing format information which defines specifications for converting said electronic data into a predetermined format;
 - c-3) recognition means for taking out characters or selection item from said electronic data on the basis of said format information to recognize said taken-out characters or selection item;
 - c-4) preparation means for preparing said document information of said predetermined format by using said characters or selection item recognized by said recognition means and said format information; and
 - c-5) registration means for registering said document information to be transmitted through said communication means.

KATO, et al., 10/849,225
11 September 2007 Amendment
Responsive to 11 June 2007 Office Action

500.43858X00 / W1595-01EM
Page 13

17. (Currently Amended) A document taking-over apparatus comprising:
an electronic pen terminal means for interfacing with document identifying
indicia of a document, said document identifying indicia dictating data entry layout
areas of said document, where information is hand written
means for receiving data concerning a-said document as electronic data
including said information written to said data entry layout areas;
memory means for storing format information which defines specifications for
converting said received electronic data into a predetermined format;
document information preparation means for preparing document information
of said predetermined format by using said electronic data and said format
information;
registration means for registering said document information prepared by said
document information preparation means; and
transmission means for transmitting said document information registered in
said registration means.